

Federal GIS Data Web Sites



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Federal GIS Data Web Sites

Environmental Protection Agency

[Geographic Information Systems \(GIS\) Tools](#)

<http://www.epa.gov/epahome/gis.htm>

Links to EPA GIS-based watershed tools and maps

[EPA Regional Offices](#)

<http://www.epa.gov/epahome/locate2.htm>

Access to EPA regional GIS databases

National Aeronautics & Space Administration (NASA) Data Access

[SEAWIFS](#)

<http://daac.gsfc.nasa.gov/data/dataset/SEAWIFS/>

[MODIS](#)

<http://modis.gsfc.nasa.gov/>

National Oceanic and Atmospheric Administration (NOAA)

[NOAA Coastal Services Center](#)

<http://www.csc.noaa.gov>

Access to digital shoreline, ArcView extensions, and LIDAR data

[NOAA CoastWatch Data Access](#)

<http://www.nodc.noaa.gov/dsdt/cw/index.html>

Access to Advanced Very High-Resolution Radiometers (AVHRR) data

[NOAA MapFinder](#)

<http://mapfinder.nos.noaa.gov/>

Access to NOAA data including bathymetry, nautical charts, and hydrographic surveys

www.csc.noaa.gov/products/datasites/data_fed.html



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National Oceanic and Atmospheric Administration (NOAA) (con't)

[NOAA National Oceanographic Data Center \(NODC\) Data Access](http://www.nodc.noaa.gov/General/satellite.html)

<http://www.nodc.noaa.gov/General/satellite.html>

NOAA satellite data access list

[NOAA Special Projects Office](http://sposerver.nos.noaa.gov/spo/products/products.html)

<http://sposerver.nos.noaa.gov/spo/products/products.html>

Contains estuarine bathymetry data, medium resolution vector shoreline, shellfish register

U.S. Geological Survey (USGS)

[Distribute Active Archive Center \(DAAC\)](http://edcdaac.usgs.gov/main.html)

<http://edcdaac.usgs.gov/main.html>

Search for Landsat 7, MODIS, and ASTER satellite data

[Earth Explorer](http://edcsns17.cr.usgs.gov/EarthExplorer/)

<http://edcsns17.cr.usgs.gov/EarthExplorer/>

Search for aerial photos, satellite imagery, and cartographic products

[Gap Analysis Program \(GAP\)](http://www.gap.uidaho.edu/)

<http://www.gap.uidaho.edu/>

Provides regional assessments of conservation status of native vertebrate species and natural land cover types and facilitates the application of this information to land management activities

[National Atlas of the United States of America](http://nationalatlas.gov/natlas/natlasstart.asp)

<http://nationalatlas.gov/natlas/natlasstart.asp>

Provides high-quality, small-scale maps; the atlas will include authoritative digital national geospatial and geostatistical data sets

www.csc.noaa.gov/products/datasites/data_fed.html



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U.S. Geological Survey (USGS) (con't)

[National Elevation Dataset \(NED\)](#)

<http://gisdata.usgs.net/ned/default.asp>

Search for best-available elevation data

[Product Page](#)

<http://edc.usgs.gov>

Contains comprehensive list of USGS data sets

Other Federal Agencies

[Census Bureau TIGER Page](#)

<http://www.census.gov/geo/www/tiger/>

Provides information on a digital database of geographic features, such as roads, railroads, rivers, lakes, political boundaries, census statistical boundaries, etc.

[Federal Emergency Management Agency \(FEMA\) Digital Q3 Flood Data](#)

<http://www.msc.fema.gov/q3flooda.shtml>

Access to Q3 flood data product that is a valuable tool in screening property addresses within a GIS to determine flood risks

[National Park Service \(NPS\) Geographic Information Systems](#)

<http://www.nps.gov/gis/>

Provides park boundaries, streams, trails, land cover, and vegetation

[Natural Resources Conservation Service \(NRCS\) Data Resources](#)

<http://www.nrcs.usda.gov/technical/dataresources/>

Distributes natural resources inventory, plants, and soils data

[U.S. Fish and Wildlife Service \(USFWS\) National Wetlands Inventory \(NWI\)](#)

<http://enterprise.nwi.fws.gov/index.html>

Provides information about the characteristics, extent, and status of wetlands and deepwater habitats

www.csc.noaa.gov/products/datasites/data_fed.html



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Coastal State and U.S. Territory GIS Data Web Sites



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Coastal State and U.S. Territory GIS Data Web Sites

Alabama

[GIS Group at the Geological Survey of Alabama](http://www.gsa.state.al.us/gsa/GIS/GISHOME.html)

<http://www.gsa.state.al.us/gsa/GIS/GISHOME.html>

Alaska

[Alaska Geospatial Data Clearinghouse](http://www.asgdc.state.ak.us/)

<http://www.asgdc.state.ak.us/>

California

[California Ocean and Coastal Environmental Access Network \(Cal OCEAN\)](http://www.ceres.ca.gov/ocean/infotype/skel/maps.phtml)

<http://www.ceres.ca.gov/ocean/infotype/skel/maps.phtml>

[California Resources Agency Watershed Web Site](http://ceres.ca.gov/watershed/)

<http://ceres.ca.gov/watershed/>

[California Spatial Information Library](http://www.gis.ca.gov/)

<http://www.gis.ca.gov/>

Connecticut

[Connecticut Map and Geographic Information Center \(MAGIC\) Geo-Spatial Data Resources](http://magic.lib.uconn.edu/)

<http://magic.lib.uconn.edu/>

Delaware

[Delaware Geological Survey](http://www.udel.edu/dgs)

<http://www.udel.edu/dgs>

[Delaware Spatial Data Clearinghouse](http://gis.smith.udel.edu/fgdc2/clearinghouse/)

<http://gis.smith.udel.edu/fgdc2/clearinghouse/>

Florida

[Florida Department of Environmental Protection Technical Services GIS Data Directory](http://www.dep.state.fl.us/gis/)

<http://www.dep.state.fl.us/gis/>

www.csc.noaa.gov/products/datasites/data_coast.html



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Florida (con't)

[Florida Geographic Information Board](http://www.freac.fsu.edu/products.cfm)

<http://www.freac.fsu.edu/products.cfm>

[Florida Marine Research Institute](http://www.floridamarine.org/features/category_main.asp%3fid%3d1153)

http://www.floridamarine.org/features/category_main.asp%3fid%3d1153

Georgia

[Georgia Environmental Resources Digital Data Atlas](http://csat.gatech.edu/statewide/index.html)

<http://csat.gatech.edu/statewide/index.html>

[Georgia GIS Data Clearinghouse](http://www.gis.state.ga.us/)

<http://www.gis.state.ga.us/>

Hawaii

[Hawaii GIS](http://www.hawaii.gov/dbedt/gis/)

<http://www.hawaii.gov/dbedt/gis/>

Illinois

[Illinois Natural Resources Geospatial Data Clearinghouse](http://www.isgs.uiuc.edu/nsdihome/ISGSindex.html)

<http://www.isgs.uiuc.edu/nsdihome/ISGSindex.html>

Indiana

[Center for Advanced Applications in Geographic Information Systems](http://danpatch.ecn.purdue.edu/~caagis/)

<http://danpatch.ecn.purdue.edu/~caagis/>

Louisiana

[Louisiana State Land Office: GIS Home Page](http://www.state.la.us/slo/gis.htm)

<http://www.state.la.us/slo/gis.htm>

[Atlas: The Louisiana Statewide GIS](http://atlas.lsu.edu/)

<http://atlas.lsu.edu/>

www.csc.noaa.gov/products/datasites/data_coast.html



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Maine

[Maine Office of GIS Home Page](http://apollo.ogis.state.me.us/)

<http://apollo.ogis.state.me.us/>

Maryland

[Maryland Geological Survey Home Page](http://www.mgs.md.gov/)

<http://www.mgs.md.gov/>

Massachusetts

[MassGIS Table of Contents](http://www.magnet.state.ma.us/mgis/gis_toc.htm)

http://www.magnet.state.ma.us/mgis/gis_toc.htm

Minnesota

[Minnesota GeoData Clearinghouse](http://www.lmic.state.mn.us/chouse/index.html)

<http://www.lmic.state.mn.us/chouse/index.html>

Mississippi

[Mississippi Automated Resource Information System \(MARIS\) GIS Page](http://www.maris.state.ms.us/)

<http://www.maris.state.ms.us/>

New Hampshire

[GRANIT GIS Home Page](http://www.granit.sr.unh.edu/)

<http://www.granit.sr.unh.edu/>

New Jersey

[New Jersey Department of Environmental Protection](http://www.state.nj.us/dep/)

<http://www.state.nj.us/dep/>

New York

[New York State Spatial Data](http://www.ctg.albany.edu/gisny.html)

<http://www.ctg.albany.edu/gisny.html>

North Carolina

[North Carolina Geographic Data Clearinghouse](http://www.cgia.state.nc.us/cgdb/datalist.html)

<http://www.cgia.state.nc.us/cgdb/datalist.html>

www.csc.noaa.gov/products/datasites/data_coast.html



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Ohio

[Ohio Department of Natural Resources Geographic Information Management Systems](http://www.dnr.state.oh.us/gims/)

<http://www.dnr.state.oh.us/gims/>

Oregon

[Oregon Coast Geospatial Clearinghouse](http://buccaneer.geo.orst.edu/)

<http://buccaneer.geo.orst.edu/>

[Oregon Coastal Atlas](http://www.coastalatlas.net/)

<http://www.coastalatlas.net/>

Pennsylvania

[Pennsylvania Spatial Data Access \(PASDA\) System](http://www.pasda.psu.edu/)

<http://www.pasda.psu.edu/>

Rhode Island

[Rhode Island Geographic Information System \(RIGIS\)](http://www.edc.uri.edu/rigis/)

<http://www.edc.uri.edu/rigis/>

[Rhode Island Resource Protection Project](http://www.edc.uri.edu/rirpp/)

<http://www.edc.uri.edu/rirpp/>

South Carolina

[South Carolina Department of Natural Resources GIS Data Clearinghouse](http://www.dnr.state.sc.us/gisdata/index.html)

<http://www.dnr.state.sc.us/gisdata/index.html>

Texas

[Texas Natural Resources Information System \(TNRIS\)](http://www.tnris.state.tx.us/digital.htm)

<http://www.tnris.state.tx.us/digital.htm>

www.csc.noaa.gov/products/datasites/data_coast.html



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Washington

[Washington State Department of Ecology's Geographic Information System](http://www.ecy.wa.gov/services/gis/index.html)

<http://www.ecy.wa.gov/services/gis/index.html>

[Washington State Geographic Information Council \(WAGIC\)](http://wisclinc.state.wi.us/)

<http://wisclinc.state.wi.us/>

Wisconsin

[Wisconsin Land Information Clearinghouse](http://wisclinc.state.wi.us/)

<http://wisclinc.state.wi.us/>

U.S. Territories

[Virgin Islands Conservation Data Center](http://www.irf.org/ircdcdat.html)

<http://www.irf.org/ircdcdat.html>

[Island Resources Foundation](http://www.irf.org/)

<http://www.irf.org/>

www.csc.noaa.gov/products/datasites/data_coast.html



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Clearinghouses



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Clearinghouses

[Coastal Information Directory](http://csc.noaa.gov/CID/)

<http://csc.noaa.gov/CID/>

Simultaneously searches various databases throughout the country for coast-related data

[Geospatial One-Stop](http://www.geodata.gov/gos/)

<http://www.geodata.gov/gos/>

Part of the Geospatial One-Stop E-Gov initiative providing access to a wide variety of federal, state, and local geospatial data and information

[NASA Global Change Master Directory](http://gcmd.gsfc.nasa.gov/)

<http://gcmd.gsfc.nasa.gov/>

Comprehensive directory describing data sets of relevance to global change research

[National Map](http://nationalmap.usgs.gov/)

<http://nationalmap.usgs.gov/>

An on-line, interactive map service providing public access to high-quality, geospatial data and information from multiple agencies

[National Spatial Data Infrastructure \(NSDI\) Geospatial Data Clearinghouse](http://clearinghouse.csc.noaa.gov/NOAA_CSCgateway.html)

http://clearinghouse.csc.noaa.gov/NOAA_CSCgateway.html

Searchable collection of over 100 spatial data servers

www.csc.noaa.gov/products/datasites/data_clear.html



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Metadata Starting Points



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Metadata Starting Points

[Federal Geographic Data Committee \(FGDC\)](http://www.fgdc.gov/)

<http://www.fgdc.gov/>

Coordinates the development of the National Spatial Data Infrastructure (NSDI), which encompasses policies, standards, and procedures for organizations to cooperatively produce and share geographic data

[FGDC Content Standard for Digital Geospatial Metadata: An Image Map](http://biology.usgs.gov/fgdc.metadata/version2/)

<http://biology.usgs.gov/fgdc.metadata/version2/>

Provides a graphical representation of the metadata standard

[Formal Metadata Information and Tools](http://geology.usgs.gov/tools/metadata/)

<http://geology.usgs.gov/tools/metadata/>

Information and tools available from U.S. Geological Survey server; includes Metadata Parser

[Frequently Asked Questions - FGDC's Content Standard for Geospatial Metadata](http://biology.usgs.gov/fgdc.metadata/version2/faq.htm)

<http://biology.usgs.gov/fgdc.metadata/version2/faq.htm>

Index of frequently asked questions and answers about metadata

[Metadata Primer](http://www.lic.wisc.edu/metadata/metaprim.htm)

<http://www.lic.wisc.edu/metadata/metaprim.htm>

Designed to provide a practical overview of the issues associated with developing and maintaining metadata for digital spatial data

www.csc.noaa.gov/products/datasites/data_meta.html



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Other Spatial Resources



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Other Spatial Resources

[Geographic Information Systems FAQ](http://www.census.gov/geo/www/faq-index.html)

<http://www.census.gov/geo/www/faq-index.html>

Index of frequently asked questions (FAQ) and explanations about GIS along with answers to these questions

[Introduction to GIS from U.S. Geological Survey](http://erg.usgs.gov/isb/pubs/gis_poster/)

http://erg.usgs.gov/isb/pubs/gis_poster/

USGS overview of GIS, how it works, and applications

[Map Projection Overview - The Geographer's Craft Project](http://www.colorado.edu/geography/gcraft/notes/mapproj/mapproj_f.html)

http://www.colorado.edu/geography/gcraft/notes/mapproj/mapproj_f.html

Detailed overview of map projections and datums

[NASA Visualization of Remote Sensing Data Page](http://rsd.gsfc.nasa.gov/rsd/)

<http://rsd.gsfc.nasa.gov/rsd/>

Catalogue of sample remote sensing images, movies, 3D, and virtual reality

[National States Geographic Information Council and the Federal Geographic Data Committee Framework Survey](http://www.fgdc.gov/framework/survey_results/readme.html)

http://www.fgdc.gov/framework/survey_results/readme.html

Provides a snapshot of data being produced and used in state, regional, and local governments that could contribute to the building of a framework of locally produced, locally maintained data themes available to all

[Remote Sensing Socioeconomic Data and Applications Center](http://sedac.ciesin.org/remote/app5.html)

<http://sedac.ciesin.org/remote/app5.html>

Provides links to resources related to remote sensing applications and education, and indicates starting points for general readers

www.csc.noaa.gov/products/datasites/data_other.html



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Other Spatial Resources

[Spatial Odyssey GIS Literature Database](http://www.ncgia.maine.edu/)

<http://www.ncgia.maine.edu/>

Information on how to access the table of contents of GIS journals, conference proceedings, and published collections of articles

[XTOOLS Extension from Oregon Department of Forestry](http://www.odf.state.or.us/DIVISIONS/management/state_forests/GIShome.asp)

http://www.odf.state.or.us/DIVISIONS/management/state_forests/GIShome.asp

ArcView Extension with many tools useful for GIS analysis using ArcView



www.csc.noaa.gov/products/datasites/data_other.html

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Training Resources



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Training Resources

[Canada Centre for Remote Sensing \(CCRS\) Fundamentals of Remote Sensing](http://www.ccrs.nrcan.gc.ca/ccrs/learn/tutorials/fundam/fundam_e.html)

http://www.ccrs.nrcan.gc.ca/ccrs/learn/tutorials/fundam/fundam_e.html

On-line remote sensing tutorial from the CCRS

[ESRI Virtual Campus](http://campus.esri.com/)

<http://campus.esri.com/>

GIS Education and Training on the Web

[NASA Remote Sensing Tutorial](http://rst.gsfc.nasa.gov/)

<http://rst.gsfc.nasa.gov/>

Remote sensing on-line tutorial (which can also be purchased on CD-ROM) from NASA's Goddard Space Flight Center

[NOAA NESDIS Satellite Links](http://www.goes.noaa.gov/)

<http://www.goes.noaa.gov/>

Provides links to satellite interpretation tutorials and image examples

[Penn State's World Campus Certificate Program in Geographic Information Systems \(GIS\)](http://www.worldcampus.psu.edu/pub/gis/index.shtml)

<http://www.worldcampus.psu.edu/pub/gis/index.shtml>

Distance Learning

[UniGIS from Simon Fraser University](http://www.sfu.ca/unigis/)

<http://www.sfu.ca/unigis/>

Interactive distance learning postgraduate certificate program for GIS in North America

[University of Illinois Satellite Meteorology Page](http://ww2010.atmos.uiuc.edu/(Gh)/guides/rs/sat/home.xml)

[http://ww2010.atmos.uiuc.edu/\(Gh\)/guides/rs/sat/home.xml](http://ww2010.atmos.uiuc.edu/(Gh)/guides/rs/sat/home.xml)

Satellite meteorology on-line remote sensing guide from the University of Illinois

[University of Maryland Baltimore County Remote Sensing Core Curriculum](http://www.research.umbc.edu/~tbenja1/umbc7/)

<http://www.research.umbc.edu/~tbenja1/umbc7/>

A five volume on-line guide to photo interpretation, photogrammetry, digital image processing, and remote sensing applications

www.csc.noaa.gov/products/datasites/data_train.html



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